

**Notice of Allowability**

Application No.

10/660,003

Examiner

W. Patty Chen

Applicant(s)

JUNG ET AL.

Art Unit

2871

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on Nov. 10, 2006.
2. ☒ The allowed claim(s) is/are 1,2,4-13,15-24,26,27,30 and 31.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## **DETAILED ACTION**

### ***Response to Amendment***

Applicant's Amendment filed on Nov. 10, 2006 has been entered. Claims 3 and 14 are cancelled per the Amendment filed, therefore, claims 1, 2, 4-13, 15-24, 26, 27, 30 and 31 remain pending in the current application.

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The title of the application has been amended as follows: Substrate for a display device, liquid crystal display device comprising overlapping connecting lines of the scan lines and the method of manufacturing the same.

### ***Allowable Subject Matter***

Claims 1, 2, 4-13, 15-24, 26, 27, 30 and 31 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding claims 1 and 12 (Amended): None of the prior arts either alone or in combination fairly teach or suggest a substrate for a display device comprising a first connecting part including a first group and a second group of connecting lines formed on different layers for

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transferring scan signals to the scan lines, such that each of the first group of connecting lines partly overlaps with at least one of the second group of connecting lines. Therefore, claims 1 and 12 are deemed non-obvious and inventive over the prior arts, thus are allowable over the prior arts.

As to claims 2, 4-11, 13, 15-22: Since claims 2, 4-11, 13, 15-22 depend either directly or indirectly on the allowed claims 1 and 12, therefore, are also allowed.

Regarding claims 23 and 31: None of the prior arts either alone or in combination fairly teach or suggest a method of manufacturing a liquid crystal display device, the method comprising forming a plurality of groups of connecting lines for transferring scan signals to the scan lines, such that each of a first connecting lines of a first group formed on the same layer as the scan lines partly overlaps with at least one of a second connecting lines of a second group, which is formed on the same layer as the data lines. Therefore, claims 23 and 31 are deemed non-obvious and inventive over the prior arts, thus are allowed over the prior arts.

As to claims 24, 26 and 27: Since claims 24, 26 and 27 depend directly on the allowed claim 23, therefore are also allowed.

Regarding claim 30: None of the prior arts either alone or in combination fairly teach or suggest a substrate for a display device comprising a connecting part that includes a plurality of groups of connecting lines connected to the scan lines for transferring scan signals to the scan lines, such that each of a first connecting lines of a first group formed on the same layer as the scan lines partly overlaps with at least one of a second connecting lines of a second group formed on the same layer as the data lines. Therefore, claim 30 is deemed non-obvious and inventive over the prior arts, thus is allowed over the prior arts.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to W. Patty Chen whose telephone number is (571)272-8444. The examiner can normally be reached on 8:00-5:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on (571)272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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WPC

12/29/06

  
ANDREW SCHECHTER  
PRIMARY EXAMINER